

REMARKS

In an office action dated 1 July 2002, the Examiner allows claims 51-75, 88, 89, 93-103, and 105-143, rejects claims 104, and objects to claims 106, 113, 135, 141, and 143. In response to the office action, applicants amend claim 104 and respectfully traverses the rejection. In the light of the amendment and following argument, Applicants respectfully request that this Application be allowed.


Applicants have amended claims 106, 113, 135, 141, and 143 to correct errors cited by the Examiner and overcome the objections. Therefore, Applicants request these claims be allowed.

Applicants amend claim 104 to include the word other to indicate communications are between transceivers that are not the master. Therefore, claim 104 is allowable over the rejection. For this reason, Applicants request that claim 104 be allowed.

If the Examiner has a question regarding this response or the application in general, the Examiner is invited to telephone the undersigned at 775-586-9500.

Respectfully submitted,
Sierra Patent Group, Ltd.

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William P. Wilbar
Reg. No: 43,265

Sierra Patent Group, Ltd.
PO Box 6149
Stateline, NV 89449
(775) 586-9500

VERSION WITH MARKINGS TO SHOW CHANGES MADEIn the Claims:

Claim 104 has been amended as follows:

104. (Twice Amended) A wireless communication network system comprising at least three transceivers, each said transceiver having a transmitter and a receiver, one of said transceivers being structured and configured as a master device, said master device structured and configured to manage data transmission between said master device and said at least two other transceivers and direct data transmission between said at least two other transceivers, wherein said transmitters are structured and configured to emit radio frequency pulses operating with ultra-wide band wireless technology and said receivers are structured and configured to receive said radio pulses.

Claim 106 has been amended as follows:

106. (Amended) A wireless communication network system comprising at least three transceivers, each said transceiver having a transmitter and a receiver, one of said transceivers being structured and configured as a master device, and said master device structured and configured to manage data transmission between said transceivers, wherein each said transceiver further comprises a framing controller, said framing controller having means for generating and maintaining time frame information for said network system, wherein said transceivers operate according to a Medium Access Control protocol having a time division multiple access frame definition, said protocol structured and configured to operate in aloha mode and time division multiple access mode, said system further comprising a frame definition having a master slot, a command slot, and a plurality of data slots, said master device having a master sync code, a protocol operating in slotted aloha mode and time division multiple access mode, said master device managing said protocol and said data slots in said protocol, and a Medium Access Control hardware interface comprising a multiplexer/demultiplexer unit and a plurality of slot allocation units, said multiplexer/demultiplexer unit operatively coupled to said plurality of slot allocation units.

Claim 113 has been amended as follows:

113. (Amended) A wireless communication network system comprising at least three transceivers, each said transceiver having a transmitter and a receiver, one of said transceivers being structured and configured as a master device, and said master device structured and configured to manage data transmission between said transceivers, wherein each said transceiver further comprises a framing controller, said framing controller having means for generating and maintaining time frame information for said network system, said system further comprising a frame definition having a master slot, a command slot, and a plurality of data slots, said master device having a master sync code, a protocol operating in slotted aloha mode and time division multiple access mode, said master device managing said protocol and said data slots in said protocol.

Claim 135 has been amended as follows:

135. (Amended) A wireless communication network system comprising at least three transceivers, each said transceiver having a transmitter and a receiver, one of said transceivers being structured and configured as a master device, and said master device structured and configured to manage data transmission between said transceivers, wherein other transceivers of said at least three transceivers being structured and configured as slave transceivers, each of said slave transceivers further comprises a local clock therein, said master transceiver further comprising a master clock therein, each said local clock synchronized to said master clock[.], wherein said transceivers operate according to a Medium Access Control protocol structured and configured to operate in aloha mode and time division multiple access mode, said system further comprising a frame definition having a master slot, a command slot, a plurality of data slots, said master device having a master sync code, a protocol operating in slotted aloha mode and time division multiple access mode, said master device managing said protocol and said data slots in said protocol, wherein said transmitters are structured and configured to emit radio frequency pulses operating with baseband wireless technology and said receivers structured and configured to receive radio frequency pulses, and further wherein said transceivers are structured and configured to transfer data tot other transceivers isochronously.

Claim 141 has been amended as follows:

141. (Twice Amended) A wireless communication network system comprising at least three transceivers, each said transceiver having a transmitter and a receiver, one of said transceivers being structured and configured as a master device, said master device structured and configured to manage direct data transmission between said at least three transceivers, at least two other [transceiver] transceivers being structured and configured as slave devices, wherein each said slave device further comprises a local clock therein, said master device comprising a master clock therein, each said local clock synchronized with said master clock, wherein said transmitters are structured and configured to emit radio frequency pulses operating with ultra-wide band technology and said receivers structured and configured to receive said radio pulses.

Claim 143 has been amended as follows:

143. (Twice Amended) A wireless communication network system comprising at least three transceivers, each said transceiver having a transmitter and a receiver, one of said transceivers being structured and configured as a master device, said master device structured and configured to manage direct data transmission between said at least three transceivers, at least two other [transceiver] transceivers being structured and configured as slave devices, wherein each said slave device further comprises a local clock therein, said master device comprising a master clock therein, each said local clock synchronized with said master clock, wherein said transmitters are structured and configured to transfer other data to other transceivers isochronously.